08/270412

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Enter terminal type or "M" for menu - KSR
ENTER HOST PROCESSOR ID
aps4
PLEASE ENTER HOST PORT ID:x
LOGINID:d184sez
PASSWORD:HHHHHHHHHIIIIIIIII########kirsten
PASSWORD:HHHHHHHHHIIIIIIIII#########
TERMINAL (ENTER 1, 2, 3, 4, OR ?):3
  * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
  *                                                                 *
  *           Welcome to MESSENGER (APS Text) at USPTO              *
  *                                                                 *
  *                                                                 *
  *    The USPTO production files are current through:              *
  *    17 DEC. 1996 for U.S. Patent Text Data.                      *
  *    17 DEC. 1996 for U.S. Current Classification data.           *
  *    17 DEC. 1996 for U.S. Patent Image Data.                     *
  *                                                                 *
  *       * PLEASE USE 305-9000 FOR NEW TELEPHONE NUMBER *          *
  *****************************************************************
  *    A new set of Messenger enhancements is available,            *
  *    effective December 9, 1996.  The new FOCUS command           *
  *    allows you to display your search results in relevance-      *
  *    ranked order.  Enter FOCUS and the L-number you want         *
  *    to view (e.g., FOCUS L5), and then display the resulting     *
  *    L-number (e.g., D L6 1-12).                                  *
  *    See also HELP FOCUS.                                         *
  *****************************************************************
  * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
  *  DISCLAIMER:                                                    *
  *  Neither the United States Government, nor any agency           *
  *  thereof, nor any of their contractors, subcontractors or       *
  *  employees make any warranty, expressed or implied,             *
  *  including any warranty of marketability of fitness for a       *
  *  particular purpose; nor assumes any legal liability or         *
  *  responsibility for any party's use, or the results of          *
  *  such, of the data.                                             *
  *                                                                 *
  * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
  *                Help Desk --> 703-305-9000                       *
  *                                                                 *
  *    The Help Desk is staffed for APS support 7 days/week.        *
  *      Monday through Friday:      6:30am - 9:00pm                *
  *      Saturday, Sunday, Holidays: 8:30am - 5:00 pm               *
  *                                                                 *
  *    The Help Desk staff at this number will handle all APS       *
  *    related questions.                                           *
  *                                                                 *
  * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
  *                                                                 *
  *    >>>>>>>>>>>>> NEW SUNDAY HOURS !!! <<<<<<<<<<<<<            *
  *                                                                 *
  *    The APS is available:                                        *
  *            6:30am - 9:00pm Monday through Friday                *
  *            7:30am - 5:00pm Saturday, Sunday, Holidays           *
  *                                                                 *
  *      APS is unavailable Thanksgiving Day, Christmas Day,        *
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  *      and New Year's Day.                                             *
  *                                                                      *
  * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
FILE 'USPAT' ENTERED AT 19:27:23 ON 20 DEC 96
  * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
  *               W E L C O M E   T O   T H E                            *
  *         U. S.   P A T E N T   T E X T   F I L E                      *
  * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
=> s neural(2w)stem(2w)cell?
          4095 NEURAL
         78289 STEM

        329015 CELL?
L1           4 NEURAL(2W)STEM(2W)CELL?
=> d l1 1-4 cit,ab
```

1. 5,550,050, Aug. 27, 1996, Method for implanting encapsulated cells in a host; Laura M. Holland, et al., 435/240.2, 240.22, 244, 245 [IMAGE AVAILABLE]

US PAT NO: 5,550,050 [IMAGE AVAILABLE] L1: 1 of 4

ABSTRACT:
This invention provides methods for implanting encapsulated cells in a host comprising exposing cells to restrictive conditions for a sufficient period of time to establish a desired cell property in response to the restrictive conditions and implanting the encapsulated cells in a host, the cell property being substantially maintained following implantation. Also provided are cells produced by exposure to restrictive conditions.

2. 5,487,992, Jan. 30, 1996, Cells and non-human organisms containing predetermined genomic modifications and positive-negative selection methods and vectors for making same; Mario R. Capecchi, et al., 435/172.3, 172.1, 320.1; 800/2, DIG.1, DIG.2; 935/56, 63 [IMAGE AVAILABLE]

US PAT NO: 5,487,992 [IMAGE AVAILABLE] L1: 2 of 4

ABSTRACT:
Positive-negative selector (PNS) vectors are provided for modifying a target DNA sequence contained in the genome of a target cell capable of homologous recombination. The vector comprises a first DNA sequence which contains at least one sequence portion which is substantially homologous to a portion of a first region of a target DNA sequence. The vector also includes a second DNA sequence containing at least one sequence portion which is substantially homologous to another portion of a second region of a target DNA sequence. A third DNA sequence is positioned between the first and second DNA sequences and encodes a positive selection marker which when expressed is functional in the target cell in which the vector is used. A fourth DNA sequence encoding a negative selection marker, also functional in the target cell, is positioned 5' to the first or 3' to the second DNA sequence and is substantially incapable of homologous recombination with the target DNA sequence. The invention also includes transformed cells containing at least one predetermined modification of a target DNA sequence contained in the genome of the cell. In addition, the invention includes organisms such as non-human transgenic animals and plants which contain cells having predetermined modifications of a target DNA sequence in the genome of the organism.

3. 5,464,764, Nov. 7, 1995, Positive-negative selection methods and vectors; Mario R. Capecchi, et al., 435/172.3, 172.1, 240.2, 320.1; 536/23.1, 23.2, 23.5, 23.6, 23.7, 23.72; 800/2, DIG.1, DIG.2; 935/22, 56, 70 [IMAGE AVAILABLE]

US PAT NO: 5,464,764 [IMAGE AVAILABLE] L1: 3 of 4

ABSTRACT:
Positive-negative selector (PNS) vectors are provided for modifying a target DNA sequence contained in the genome of a target cell capable of homologous recombination. The vector comprises a first DNA sequence which contains at least one sequence portion which is substantially homologous to a portion of a first region of a target DNA sequence. The vector also includes a second DNA sequence containing at least one sequence portion which is substantially homologous to another portion of a second region of a target DNA sequence. A third DNA sequence is positioned between the first and second DNA sequences and encodes a positive selection marker which when expressed is functional in the target cell in which the vector is used. A fourth DNA sequence encoding a negative selection marker, also functional in the target cell, is positioned 5' to the first or 3' to the second DNA sequence and is substantially incapable of homologous recombination with the target DNA sequence. The invention also includes transformed cells containing at least one predetermined modification of a target DNA sequence contained in the genome of the cell. In addition, the invention includes organisms such as non-human transgenic animals and plants which contain cells having predetermined modifications of a target DNA sequence in the genome of the organism.

4. 5,338,839, Aug. 16, 1994, DNA encoding nestin protein; Ronald D. G. McKay, et al., 536/23.5; 435/6, 91.2; 536/24.31; 935/9, 11, 78 [IMAGE AVAILABLE]

US PAT NO: 5,338,839 [IMAGE AVAILABLE] L1: 4 of 4

ABSTRACT:
A gene (SEQ ID NO: 1 or SEQ ID NO: 3) encoding a protein, nestin, whose expression distinguishes **neural** multipotential **stem** **cells** and brain tumor cells from the more differentiated neural cell types (e.g., neuronal, glial and muscle cells).
=> d l1 1 leg

US PAT NO: 5,550,050 [IMAGE AVAILABLE] L1: 1 of 4
DATE ISSUED: Aug. 27, 1996
TITLE: Method for implanting encapsulated cells in a host
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LEGAL-REP: Ivor R. Elrifi, Barbara A. Ruskin
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U.S. Patent & Trademark Office LOGOFF AT 19:32:33 ON 20 DEC 96